

JUL 15 2004

PTO/SB/08A (10-01)

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Substitute form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 3

## **Complete if Known**

|                        |                  |
|------------------------|------------------|
| Application Number     | 09/975,220       |
| Filing Date            | October 11, 2001 |
| First Named Inventor   | MAHENDRAN        |
| Group Art Unit         | 1723             |
| Examiner Name          | KIM, Sun U.      |
| Attorney Docket Number | 4320-443         |

## **U.S. PATENT DOCUMENTS**

| Examiner<br>Initials * | Cite<br>No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of<br>Cited Document | Pages, Columns, Lines, Where Relevant<br>Passages or Relevant<br>Figures Appear |
|------------------------|--------------------------|--|--------------------------------|--|---|
|                        |                          | Number - Kind Code <sup>2</sup> (if known) |                                |  |   |
| JK                     |                          | US- 6,555,005                              | 04-29-2003                     | Zha et al.   |   |
|                        |                          | US- 6,325,928 B1                           | 12/4/2001                      | Pedersen et al                                     |   |
|                        |                          | US- 6,319,411 B1                           | 11/20/2001                     | Cote   |   |
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|                        |                          | US- 6,402,955                              | 06/11/2002                     | Ookata   |   |
|                        |                          | US- 5,141,031                              | 8/25/1992                      | Baurmeister  |   |
|                        |                          | US- 5,484,528                              | 1/16/1996                      | Yagi et al.  |   |
|                        |                          | US- 4,540,490                              | 09/10/1985                     | Shibata et al.                                     |   |
|                        |                          | US- 5,910,250                              | 06/08/1999                     | Mahendran et al.                                   |   |
|                        |                          | US- 6,193,890                              | 2/27/2001                      | Pedersen et al                                     |   |
|                        |                          | US- 6,303,035 B1                           | 10/16/2001                     | Cote et al   |   |
|                        |                          | US- 5,944,997                              | 8/31/1999                      | Pedersen et al                                     |   |
|                        |                          | US- 5,932,099                              | 8/3/1999                       | Cote et al   |   |

## **FOREIGN PATENT DOCUMENTS**

| Examiner<br>Initials * | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited<br>Document | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear | T <sup>6</sup> |
|------------------------|-----------------------|---|--------------------------------|---|--|----------------|
|                        |                       | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |   |  |                |
| JK                     |                       | WO 97/06880   | 02-27-1997                     | Zenon Environmental<br>Inc.                           |  |                |
|                        |                       | JP 07-289860  | 11-07-1995                     | Toray Ind Inc.  |  | ✓<br>Machine   |
|                        |                       | English language abstract of JP 07-289860   |                                |   |  |                |
|                        |                       | JP 07-136471  | 05-30-1995                     | Toray Ind Inc.  |  | ✓<br>Machine   |
|                        |                       | English language abstract of JP 07-136471   |                                |   |  |                |
|                        |                       | JP 61-291007  | 12-20-1986                     | Toyobo Co Ltd   |  |                |
|                        |                       | English language abstract of JP 61-291007   |                                |   |  |                |
|                        |                       | JP 61-293504  | 12-24-1986                     | Kurita Water Ind Ltd.                                 |  |                |
|                        |                       | English language abstract of JP 61-293504   |                                |   |  |                |
|                        |                       | JP 61-167407  | 07-29-1986                     | Sumitomo Bakelite Co.<br>Ltd.                         |  |                |
|                        |                       | English language abstract of JP 61-167407   |                                |   |  |                |
|                        |                       | JP 61-242607  | 10-28-1986                     | Asahi Cchem Ind Co<br>Ltd.                            |  |                |
|                        |                       | English language abstract of JP 61-242607   |                                |   |  |                |

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|-----------------------|-----|--------------------|----------|
| Examiner<br>Signature | JKm | Date<br>Considered | 10/18/04 |
|-----------------------|-----|--------------------|----------|

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04.

<sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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| Substitute for form 1449A/PTO   |                        | Complete if Known    |                  |
| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><br>(use as many sheets as necessary) |                        | Application Number   | 09/975,220       |
|   |                        | Filing Date          | October 11, 2001 |
|   |                        | First Named Inventor | MAHENDRAN        |
|   |                        | Group Art Unit       | 1723             |
|   |                        | Examiner Name        | KIM, Sun U.      |
| Sheet 2 of 3  | Attorney Docket Number | 4320-443             |                  |

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| U.S. PATENT DOCUMENTS |                       |  |                                |   |   |
|-----------------------|-----------------------|--|--------------------------------|---|---|
| Examiner Initials *   | Cite No. <sup>1</sup> | Document Number                            | Publication Date<br>MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                       |                       | Number - Kind Code <sup>2</sup> (if known) |                                |   |   |
| JK                    |                       | US- 5,783,083                              | 7/21/1998                      | Henshaw et al                                   |   |
| JK                    |                       | US- 6,045,898                              | 4/4/2000                       | Cote et al                                      |   |
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|                       |                       | US-  |                                |   |   |
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|                       |                       | US-  |                                |   |   |
|                       |                       | US-  |                                |   |   |
|                       |                       | US-  |                                |   |   |
|                       |                       | US-  |                                |   |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |   |   |                |
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|                          |                       | Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) |                                |   |   |                |
| JK                       |                       | English language abstract of JP 07-275685   |                                |   |   |                |
|                          |                       | JP 07-275685  | 10/24/1995                     | Mitsubishi Rayon Co.                            |   |                |
|                          |                       | English language abstract of JP 08-010585   |                                |   |   |                |
|                          |                       | JP 08-010585  | 1/16/1996                      | Ishigaki Mech Ind Co                            |   |                |
|                          |                       | English language abstract of JP 09-141063   |                                |   |   |                |
|                          |                       | JP 09-141063  | 6/3/1997                       | Mitsubishi Rayon Co.                            |   |                |
|                          |                       | WO 94/11094   | 05/26/1994                     | Zenon Environmental Inc.                        |   |                |
|                          |                       | EP 1213048  | 06/12/2002                     | Zenon Environmental Inc.                        |   |                |
| JK                       |                       | DE 10045227 C1  | 02/07/2002                     | Schaefer  |   |                |
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|--------------------|------|-----------------|----------|
| Examiner Signature | JKim | Date Considered | 10/18/04 |
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 Filing Date October 11, 2001  
 First Named Inventor MAHENDRAN  
 Group Art Unit 1723  
 Examiner Name KIM, Sun U.  
 Attorney Docket Number 4320-443

## OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

| Examiner Initials * | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T <sup>2</sup> |
|---------------------|-----------------------|---|----------------|
| JK                  |                       | Declaration for Reissue Application executed June 14, 1999 in File history of U.S. Patent No. RE37,549  |                |
|                     |                       | Amendment dated January 8, 1998 in file history of U.S. Patent No. 5,783,083, incorporated by reference in Declaration for Reissue Application executed June 14, 1999 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Declaration Under 37 CFR 1.132 of Steven Pedersen executed January 5, 1998 in file history of U.S. Patent No. 5,783,083, incorporated by reference in Declaration for Reissue Application executed June 14, 1999 in File history of U.S. Patent No. RE37,549    |                |
|                     |                       | Declaration Under 37 CFR 1.132 of Kenneth Goodboy executed December 27, 1997 in file history of U.S. Patent No. 5,783,083, incorporated by reference in Declaration for Reissue Application executed June 14, 1999 in File history of U.S. Patent No. RE37,549  |                |
|                     |                       | Office Action mailed November 5, 1999 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Supplemental Declaration for Reissue Application executed March 3, 2000 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Amendment dated March 4, 2000 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Supplemental Amendment dated March 20, 2000 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Office Action mailed March 31, 2000 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Amendment dated May 9, 2000 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Third Supplemental Declaration for Reissue Application executed May 8, 2000 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Notice of Allowability dated June 1, 2000 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Supplemental Declaration for Reissue Application executed November 7, 2000 in File history of U.S. Patent No. RE37,549  |                |
|                     |                       | Preliminary Amendment dated November 6, 2000 in File history of U.S. Patent No. RE37,549  |                |
|                     |                       | Office Action mailed February 6, 2001 in File history of U.S. Patent No. RE37,549   |                |
|                     |                       | Amendment dated May 4, 2001 in File history of U.S. Patent No. RE37,549   |                |
| JK                  |                       | Notice of Allowability dated May 29, 2001 in File history of U.S. Patent No. RE37,549   |                |

Examiner Signature *JKim* Date Considered 10/18/04

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